



~ The Dragonflyer ~

Vol. 4 No. 7

Boone's Lick Chapter

July, 2009

JULY MEETING

Thursday, July 9, 6:30-8:30pm
Extension Office

Frog Communication
Carl Gerhardt, PhD

This program will be submitted for advanced training approval.

Refreshments: Dessert, Mary Williamson; Non-dessert, Howard Hinkel; Drinks, Dan Reeves.

Important Membership Vote at August Meeting

The membership of the Boone's Lick Chapter of the Missouri Master Naturalist will be asked to vote on the By Laws for our chapter at our meeting, August 12, 2009, at the Boone County Extension Building. The draft prepared by a committee will be sent to each member and will be posted on our web site for review for 30 days prior to that meeting. This document follows the template that other chapters in the state have used, but has been and can be further amended to meet our chapter's needs.



PRESIDENTIAL PONDERINGS

Meredith Donaldson

The past month, I have been leading interpretive programs at Camp Hickory Hill, a camp for children with diabetes. The camp is truly a hidden natural treasure just five miles north of Columbia. Wildflowers and birds were everywhere as I hiked with campers down the winding rocky trail to their beautiful cave (reported to provide habitat for endangered bats). We were unable to get close since the flooding rains had turned the cave outlet into a raging river! What a teachable moment. I asked

the campers where all that water came from and they answered showing what they had learned earlier about Karst topography (and my theme: Everything we do on the surface can affect the cave underground). But, they could not answer whose land was over the cave before it got to their camp. Were those land owners taking care of the cave or were harming it with poor fertilizing practices, poor septic tanks, etc? The campers talked about how they could find out if the water is of good quality and how they could learn who their camp neighbors were. One counselor volunteered to take the Missouri Stream Team training. And, the campers will begin monitoring the stream coming out of their cave next summer when they return to camp in June next.

A cool read for July is Bernd Heinrich's Winter World - the Ingenuity of Animal Survival. It is really a journal describing how animals have adapted to the cold of winter with elegant pencil drawings by the author. In our Missouri miserable heat, it was very cooling to picture rough grouse burrowing into the snow. Why doesn't a bird's leg freeze, or beaver's paws...or how does a painted turtle adapt to the lack of oxygen under the mud of its winter home? I would be happy to loan my book when I am done reading it so you can find out for yourself.



MEETING MINUTES
Carolyn Doyle, Secretary

Missouri Master Naturalists
Boone's Lick Chapter
Minutes of Meeting, June 11, 2009

The Boone's Lick Chapter of MMN met at 6:30 PM on June 11, 2009, at Wild Haven, a Columbia Audubon Society nature area. A potluck picnic was enjoyed by members and guests Clare and Jeff Melick, Janie and Robert McArthur, Hugh Harrison, Chris and Kay Egbert, Suzanne Wright, Dan Reeves, Meredith Donaldson, Janine Gordon, Vanessa Melton, Melissa Bedford, Angela Belden, Alice Havard, Ruth Ann Streigel, Eric Gentry, Jane and Dave Fore and Carolyn Doyle.

The Chimney Swift Tower, a joint MMN/CAS project, is now finished, and stands in a small clearing at Wild Haven. Swifts had been sighted in the area, but there's no way to determine for sure whether the tower's in use yet.

Near the shelter site where we picnicked, is the Troy Gordon Memorial Hummingbird garden, just recently planted and mulched, also a joint project with the Columbia Audubon Society.

After the meal, Meredith called a brief business meeting to order.

Our member manual is in the works, and the by-laws are waiting approval by Bob Pierce, University of Missouri – Extension.

Please refer to our website for volunteer opportunities. Requests for approval of Advanced Training Opportunities should go to Sally Swanson, and for Volunteer Projects to Meredith.

The July meeting will be on the 9th, at the Boone County Extension Office, at 6:30, and the speaker will be Prof. Carl Gerhardt on frog communication.

With no further business, the meeting was adjourned.

Minutes of the May Board meeting follow. The Board did not meet in June.

Missouri Master Naturalists
Boone's Lick Chapter
Minutes of Board Meeting
May 4, 2009

The Board of the Boone's Lick Chapter of MMN met at 5:30pm on May 4, 2009, just prior to the regular meeting, at the Boone County Extension Office, Columbia. Present were Meredith Donaldson, Suzanne Wright, Alice Havard, Steffanie Abel, Vanessa Melton, and Carolyn Doyle.

New Business:

Volunteer Opportunities Committee:

The Lauers have resigned from this committee due to family obligations. Laura Sweets and Melissa Bedford will join Janine Gordon on the committee, and Meredith will meet with them to help define the work of the committee. The Lauers have provided an Excel file of all current projects and ideas on how to manage the information. Suggestions from the board include listing alphabetically as well as by date approved; ability to update the form on-line; list events in calendar form; and in the newsletter, just list the volunteer opportunities and refer to the website for details. Suzanne has historical material available.

Attendance:

Meredith would like the attendance lists reviewed, and inactive members called to encourage more participation in the chapter.

Old Business:

By-Laws: The board reviewed the draft; Suzanne moved to send it to Syd Himes at MDC for approval. Motion was seconded and passed.

Advanced Training: Sally Swanson is the new co-chair with Angela Belden. Jerry Nichols is also a member of this committee. The form for the request for approval has been updated. Members will be provided a copy of the form, will complete the information requesting approval, and submit to a committee member.

Communication: Discussion on this topic will be tabled until a later meeting.

Meeting was adjourned at 6:30pm

WHAT ABOUT ADVANCED TRAINING?
Meredith Donaldson

The purpose of advanced training is to provide an opportunity to focus your knowledge on topics that interest you, and to allow you to better support local service projects. Advanced training on an annual basis promotes continued learning and development. Advanced training is a benefit in itself, providing you with tools to work in more advanced volunteer efforts.

The Advanced Training committee has identified and approved a number of opportunities for us which are listed on our Boone's Lick Chapter website. All advanced training must be pre-approved by this committee.

A minimum of eight hours of advanced training is required annually to achieve and maintain certification. Travel time is not counted for advanced training activities.

The eight hours can consist of one all-day course, two half-day courses, or several shorter courses. Hours are counted as one hour for each hour of advanced training completed. Please record all approved advanced training hours. Many Master Naturalists complete many more than eight hours of approved advanced training and also engage in self directed learning projects (that are not counted as advanced training hours).

Many Master Naturalists also engage in self-directed learning projects to build on the knowledge and skills learned in training and to delve into areas of special interest. These self-directed projects do not count toward advanced training hours. The program at monthly meetings (usually approved for one hour of advanced training) has often inspired our members to learn more about a specific topic. If you need more advanced training that is not presently offered, the Advanced Training Committee can assist you. Many training courses are offered by the local Missouri University Extension, the Missouri Department of Conservation, local partners and the university.

Advanced training must be pre-approved. Trainings previously approved can simply be renewed with current date and appropriate revisions. New training proposals must be submitted on the Advanced Training Form (available on our web site). Contact the Advanced Training Committee co-chairs listed at the end of this newsletter for assistance in seeking approval for new and renewal training.

CALL TO SERVE
Meredith Donaldson

Vanessa Melton, Steffanie Abel, and Bill and JaJuan Lauer need to resign their positions. All have left their posts with things in great order for the person following in their footsteps! We really appreciate all their contributions to our Chapter and its operation.

Please consider one of these opportunities to serve your chapter:
Volunteer Opportunities Committee - Two committee members needed
Advanced Training Committee - One committee member needed

These committee members will help keep the records of our offerings, help seek out new opportunities and will approve projects and training opportunities submitted by members. Meetings have been conducted electronically, but a few face-to-face meetings may be scheduled in the coming months if members deem necessary.

Thanks!

UPCOMING EVENTS

Friends of Big Muddy presentation: July 14 - "Beyond Catfish - the Diversity of Fish Life in the Big Muddy" presented by USFWS biologists - 7pm *at Les Bourgeois Bistro, Rocheport, MO.* Take a peek into the wild diversity of fish in the Missouri River, from minnows on up to paddlefish.

All programs are open to the public. You do not need to be a member of either organization to participate. We hope you can come and learn more about the Missouri River!

Art and Nature Series: Nature Journals, July 15, 6:30-7:30
Runge Nature Center

Learn to look at nature from another point of view! We will talk about the importance of writing down and/or sketching what we find and then we will walk a trail to find a special item. Bring your own nature journal or we will provide one for you to record important finds. Reservations required. To make a reservation, call after 8:00am on July 1st to register for these programs (573/526-5544). If you must cancel, please call as soon as possible, so someone on the waiting list may attend. Thank you. Reservations are required by: noon on Wednesday, July 15

Firefly Fun, July 17, 7:30-9:00pm
Runge Nature Center

Spend a fun-filled evening with your family learning about the insects that light up the summer sky. We will begin with a short indoor program and spend the rest of the evening outdoors observing, catching, and releasing these magical insects. Bring a flashlight or borrow one of ours. Reservations required. To make a reservation, call after 8:00am on July 1st to register for these programs (573/526-5544). If you must cancel, please call as soon as possible, so someone on the waiting list may attend. Thank you. Reservations are required by: noon on Friday, July 17.

Midweek Trekker, July 22, going to Hi-Lonesome Prairie.
Runge Nature Center

Ages: 18 years and older Take a hike! Runge Midweek Trekkers is a volunteer-led program designed to provide opportunities for people to hike Missouri trails and learn about our plants, animals, and natural communities. Each month, we'll meet at the nature center, car pool to one of Missouri's choice hiking spots, and hike one or two of the best trails. The Hi Lonesome Prairie Conservation Area is a remnant of the best prairie ecosystem which provides habitat for a diverse

group of plants and animals. We will hike 5 miles through this native prairie to view prairie wildflowers and get a glimpse of many grassland species of birds. Brush up on your wildflower identification and join in on the Wildflower Contest II - The Sequel. Bring your lunch, water, hiking boots or comfortable shoes, and come dressed for the weather. Reservations required. To make a reservation, call after 8:00am on July 1st to register for these programs (573/526-5544). If you must cancel, please call as soon as possible, so someone on the waiting list may attend. Thank you. Reservations are required by: Tuesday, July 21.

Meramec Watershed Picnic/Stream Teams, July 25, 10-5.

Description 10am - 5pm at Meramec State Park, hosted by the Northern Ozark River Partners (NORP), and open to participation by all MO Stream Teams. Larry and Amy Cain 314-638-9646 This is a time for Stream Team to visit, float on innertubes (provided), race in canoes (provided), clap hands for awards given to amazing Stream Teams, eat BBQ and potluck food, listen to live music, win cool stuff in the raffle, kids have good crafts and games. Group camping included Friday before the event and Saturday after the event.

Rain Garden Seminar, Friday, July 31st, 8:00-3:30 at Boone Electric Coop. Cost: \$15 before July 15, late registration is \$20 til 7/25.

Sponsored by Columbia/Boone County Rain Garden Program. Topics include: rain gardens as a storm water solution, rain garden plants, installing your rain garden. Guest speakers, lunch, and a tour are included. Local landscapers and plant vendors will be available as well. For more information or to register to go: www.moriver.org/raingardens or call 573 256-2602.

Enter the Funky Nests Challenge! Deadline: July 31.

Dear Birding Friend,

You find them in hanging flower baskets...an old boot...a garage shelf...or under a bridge...birds build nests in the strangest places! That's the theme for the newest environmental challenge from our [Celebrate Urban Birds](#) project: Funky Nests in Funky Places! As you may know, Celebrate Urban Birds is a free, year-round citizen-science project from the [Cornell Lab of Ornithology](#), focused on birds in neighborhood settings.

For the Funky Nests in Funky Places challenge, we want you to take photos, do a painting, write a story, or shoot a video showing a bird's nest built in some out-of-the-way or out-of-this-world place. When observing nests please be sure to avoid touching them or disturbing the birds.

This one's going to be fun, I think. We usually receive hundreds of entries for each of our challenges, and I can't wait to see what you sent us this time and where birds have chosen to build their funky nests! I'm also attaching a [PDF flier](#) about the challenge you can print for yourself or pass along to others who might want to participate.

We have some great prizes, including a Leica C-LUX 3 compact camera, bird feeders, shrubs for planting, and more. The first 50 entrants will receive a copy of the "Doves and Pigeons" poster by Julie Zickefoose and we'll post selected images and videos on the Celebrate Urban Birds website.

Here's how to enter:

1. Email your entry to urbanbirds@cornell.edu. Links are acceptable for videos.
2. Write "Funky Nests" in the subject line.
3. Include your name and mailing address.
4. Explain *why* you submitted your entry--what's the story behind it?
5. One entry per person, please.

Deadline for entries is July 31, 2009

Visit the [Celebrate Urban Birds](#) website for more information and to read the terms of agreement regarding all entries.

Thanks for taking the challenge!

Sincerely,

Karen Purcell, Project Leader

(607) 254-2455

urbanbirds@cornell.edu

The Cornell Lab of Ornithology is a membership institution dedicated to interpreting and conserving the earth's biological diversity through research, education, and citizen science focused on birds. Visit the Lab's web site at www.birds.cornell.edu.

Missouri River 340, August 4-7

Volunteers wanted! Help support the racers. We're looking for help in Hermann, Jefferson City, and Klondike, specifically. The timeframe for these checkpoints is Wed, Aug 5 thru Friday, Aug 7. We like to have people work 4 hr shifts, at a minimum, and checkpoints are open 24 hrs a day. If people are interested, contact me at karin@rivermiles.com, or 913-220-3271. It really is a lot of fun, and with such a big race this year there will be more going on at the checkpoints. (All shirts & hats must be ordered by July 7 if you want them for the race. See the website.)

Cheering squad wanted! Turn out to watch the racers as they cruise through our area. For more information, go to: <http://rivermiles.com/mr340/>.

Note: Missouri River Relief is one of the sponsors of the race.

7th Annual Northfork River/Bryant Creek Cleanup, August 15

Sign-up: Sunburst Ranch, Caulfield, MO Directions: <http://www.sunburstranchcanoe.com/contact.html>

Sunburst Ranch will provide free camping on Friday and Saturday nights. A hot dog & burger cookout will be provided on Saturday night by Q94 Jack FM Radio. Live music, kayak raffle, and drawings for prizes will take place after the cleanup Saturday. Trash bags will be provided. BRING: sack lunch, hat, sunglasses, boat, canoe, kayak, sunscreen, drinking water, insect repellent, camping gear, friends and family for a day of fun and fellowship. You will be doing the riverways a favor by cleaning them up for our own enjoyment and for the future generations while enjoying the beautiful Ozarks.

Operation Clean Stream, August 22

Description- Open Space Council ST #5 (636) 451-6090 or www.openspacestl.org Join thousands of Missouri citizen volunteers to pull trash out from the Meramec River, meeting in many locations from Onondaga Cave downstream to Arnold, MO. Work from the banks or work from a boat; this event averages over 200 cubic yards of trash and over 1200 tires removed every year. Don't miss out - its alot of fun! T-shirts, workgloves and lunch provided in most work locations. Some Upper Meramec Sites will be worked on Sunday, August 23.

Race for the Rivers, August 29-30

Kayakers! Canoeists! Join the fun! The first leg of this staged race will be from either Washington, MO or Klondike County Park to St. Charles Frontier Park on the Riverfront on Saturday. The final leg will be from Blanchette Landing in St. Charles to Columbia Bottoms boat ramp on Sunday. There will also be a Festival on the St. Charles Riverfront with many vendors teaching you all about water conservation. Join the excitement as we watch the racers approach St. Charles on the Missouri River! Several bands will be playing until 7:00pm. Good food! For more info see www.racefortherivers.org Location: Missouri River at St. Charles, MO. Event time: 8:00am Contact: Charlene Waggoner - phone: 636-498-0772 or email: greenwaynetwork@gmail.com.

ADVANCED TRAINING OPPORTUNITIES

STREAM TEAM TRAINING

Stream Team Academy: Introduction to Mussels, July 18-19.

The Stream Team Academy is hosting an **Introduction to Mussels** workshop on July 18-19 at the state fairgrounds in Sedalia. The workshop will cover basic mussel biology, conservation issues, and identification. The workshop includes a lecture and a lab on Saturday and an optional field trip on Sunday to sample mussels during a float on the Lamine River. There is no cost for the workshop but participants are responsible for their own meals and lodging.

For more information or to register contact Sherry Fischer at the Department of Conservation by June 26, (573) 522-4115 ext 3169 or sherry.fischer@mdc.mo.gov. Course size is limited, the workshop is popular, and seats will be filled on a first-come, first-served basis. Registration is required.

VWQM: Level 1 Workshop in Columbia: Saturday, October 10, 8:30-5:00. (You must have completed the Intro workshop, and reported data, to enroll in the Level 1 workshop.) Registration deadline: September 30th. Location: Boone Electric Co-Op, 1413 Rangeline. To enroll online, or to find another session/location to fit your schedule, go to: <http://www.mostreamteam.org/wqlevel1.asp>.

VOLUNTEER OPPORTUNITIES

Below are the volunteer opportunities and ongoing projects, as well as announcements of other events. Please contact the person indicated for more detailed information on any of the projects. Note that if a project is listed as "not yet approved," you will need to fill out a Service Project Form (available at <http://extension.missouri.edu/masternaturalist/columbia/Projectapproval.htm>). You will be notified via e-mail of the project's approval or if there are any questions. Once approval is granted for any person, it is approved for everyone, so it is only necessary to submit one form per project.

To add your project to the list of volunteer opportunities, please contact Meredith Donaldson at Mjdonlsn@aol.com.

Volunteer Opportunities

Below are the volunteer opportunities for this and coming months and ongoing projects, as well as announcements of other events. Please contact the person indicated for more detailed information on any of the projects. Note that if a project is listed as "not yet approved," you will need to fill out a Service Project Form (available at <http://extension.missouri.edu/masternaturalist/columbia/Projectapproval.htm>). You will be notified via e-mail of the project's approval or if there are any questions. Once approval is granted for any person, it is approved for everyone, so it is only necessary to submit one form per project.

July Volunteer Opportunities

CACHE/SPARKS Birding Trips – Wednesday mornings

Sponsored by The Columbia Audubon Society, Missouri Department of Conservation, and The Audubon Society of Missouri.

These are birding trips with Bill Clark, former president of The Columbia Audubon Society. Meet Bill at 7:30am (don't be late) at the southwest corner of the Parkade Center parking lot. The destination will be decided the day of the trip depending on who is there and where they want to go. Contact Bill Clark at 573-474-4510 to confirm you are attending. Project is approved.

Ongoing Volunteer Opportunities

Native Plant Seed Collection for Natural Community Restoration, May through December, 2009.

Sponsored by the Missouri Department of Conservation

This ongoing project's aim is the restoration of MDC prairie, glade, and savanna sites in Boone, Callaway, Audrain, and Randolph counties. Volunteers will learn in a field setting about plant communities, species of native flowers and grasses, plant identification, and both seed collection and planting techniques.

MDC will provide all necessary plant identification books, collection bags, and clippers. Carpooling will be provided when possible. Volunteers will want to dress appropriately for field work (sturdy shoes or boots, long pants, and head covering are recommended), bring their own gloves, insect repellent, sun block, and water bottles.

After participating in this project, volunteers will be able to discuss the importance of restoration efforts and share their knowledge of Missouri native plants.

Collection dates will begin in mid-May. Tentative dates furnished by MDC are as follows:

July 9 – Thursday *morning*, 8:30-12:00n, probably Tucker Prairie or Prairie Fork. (NB: John is out of the office until July 8.)

August 6 – Thursday evening- Prairie Fork, restored prairie planting

August 15 – Saturday morning - Danville Glades

September 19 – Saturday morning - TBD

October 8 – Thursday evening – *will be rescheduled* Green Area plantings

October 17 – Saturday morning – Tucker Prairie

To express your interest and be notified of specific arrangements for field trips, contact John George at 573-882-8388 or JohnGeorge@mdc.mo.gov. Project is approved.

Troy Gordon Memorial Hummingbird Garden

Sponsored by the Audubon Society of Missouri and Boone's Lick Chapter of the Missouri Master Naturalists

The Memorial Garden will consist of native Missouri plants, grasses, shrubs and trees. The garden will consist of four planted areas that include a swale, formal garden, Buckeye Island and pond habitat. The established Buckeye Island will require some maintenance around the established shrubs and trees and mulching. The pond area will require the removal of some shrubby undergrowth and the walking path will be mulched, additional plants will be added including some along the pond edge. The swale area, which connects the Hummingbird Memorial Garden to the existing Butterfly Memorial garden, will be planted with water tolerant plants.

Participants will learn valuable information about native Missouri plants, grasses, shrubs and trees and become familiar with their light and water preferences, planting techniques and maintenance requirements. Volunteers will provide their own garden and hand tools, wheelbarrows and gloves as required for that day's activity. Volunteers will want to dress appropriately for field work (sturdy shoes or boots, long pants, and head covering are recommended). Insect repellent and sun block are recommended, as are water bottles.

To participate in this project, contact Suzanne Wright at 573-446-2217 or Suzwright@centurytel.net. Project is approved.

Bee Inventory at Overton Bottoms North- Specimen Identification and Mounting

Big Muddy National Fish and Wildlife Refuge-Overton Bottoms North Unit.

Big Muddy National Fish and Wildlife Refuge (Overton Bottoms North)

Data from the inventory will also be used to begin a bee list for the refuge unit. Participants will learn collection and trapping techniques, pinning skill required for mounting the specimens, and identification skills to differentiate between bee species with visits to the MU Entomology Lab. The Big Muddy National Fish and Wildlife Refuge and/or Friends of the Big Muddy will provide all necessary identification books, and bee capture, preservation and mounting equipment. Volunteers will want to dress appropriately for field work (sturdy shoes or boots, long pants, and head covering are recommended). Volunteers will be encouraged to bring their own gloves, insect repellent, sun block, and water.

The dates listed below are tentative. They will be subject to change depending on weather/flooding and other factors beyond my control. I will contact you if an event is cancelled. In addition to these dates, we will schedule 2-3 dates for identification at the MU Entomology Museum (late June-August).

All trapping/netting will take place at the Overton Bottoms North unit of the Big Muddy National Wildlife Refuge. Take I-70 to the Overton/Wooldridge exit (#111), this is the first exit west of the bridge over the Missouri River. At the end of the exit ramp, turn right. At the stop sign on HWY 98, turn right. This road will cross the RR tracks and turn to gravel. We will meet at the first parking lot on the right (about ½ mile, look for the big pecan trees).

All washing/drying/pinning will take place at our office (4200 New Haven Road). From the Nifong/HWY junction travel east (Nifong becomes New Haven RD) one mile. At the USGS Columbia Environmental Research Center, turn right at the 3rd drive way, turn left through the chain link fence, our office is at the south end of the parking lot.

Summer 2009 Schedule for collecting, preparing, pinning and identification of specimens

July 10	Noon-2:00	Set traps/netting
July 11	10:00 – Noon	Pick up traps/netting
July 20	Noon – 2:00	Set traps/netting
July 21	Noon -2:00	Pick up traps/netting &
July 21	5:00- 7:00	wash/dry/pin
Aug 14	Noon -2:00	Set traps/netting
Aug 15	10:00 – Noon	Pick up traps/netting
Aug 17	4:30 – 6:30	Wash/dry/pin
Aug 27	Noon -2:00	Set traps/netting
Aug 28	10:00 – Noon	Pick up traps/netting
Aug 31	4:30 – 6:30	Wash/dry/pin

Contact: Wedge Watkins, 573-442-2778, or Wedge_Watkins@fws.gov if you are interested in participating. Although this is a Capstone Project, non-trainees are encouraged to volunteer. Project is approved.

Cord Grass Planting at Eagle Bluffs Conservation Area, Sponsored by the Missouri Department of Conservation

This is an experiment to see if planting cord grass in the spring is more successful than planting in the later summer or fall. Participants will gain a greater understanding of how native plants work to improve wetlands. There will probably be another planting session in the fall and possibly ongoing next year. The work will be done during the week with MDC personnel or under their supervision at Eagle Bluffs Conservation Area, 6700 W. Route K, Columbia.

MDC currently has 250 pots of cord grass to be planted, starting April 13th. Participants should bring a shovel, boots, gloves, hat, sunscreen, and water. Contact Shauna Marquardt, Wildlife Biologist MDC, at shauna.marquardt@mdc.mo.gov if you are interested. Project is approved.

Nature Detectives – Various Dates through August, Sponsored by Friends of Rock Bridge Memorial State Park

Nature Detectives provides guided experiences for parents/grandparents to learn skills for exploring nature with their preschool child or grandchild. Two programs of 1.5 hours each at Rock Bridge Memorial State park are offered to young children (ages 3-6 years old) and their parents or caretakers. Each program includes a hike on a trail and a related hands-on craft activity and is limited to a total of 20 (children and adults). Master Naturalists will help with the activities and may be trained to lead the nature explorations.

Two 1.5 hour programs will be held from 9:00am – 12 noon on the following dates: Thur. July 2, Sat. July 11, Wed. July 15, Thur. July 30, Sat. Aug. 8, Wed. Aug. 12. If you are interested in interpreting nature to small children and helping parents gain confidence in exploring natural areas with their children, contact Meredith Donaldson at 573-289-3018 or mjdonlsn@aol.com. Project is approved.

Urban Population Outreach Program (UPOP)- July dates to be determined

Cosponsored by Missouri Parks Association, Friends of Rock Bridge Memorial State Park, and area youth agencies

This program will provide children, who may not have opportunities to experience the recreational and natural resources of our state parks, outdoor nature activities in Rock Bridge Memorial State Park. Programs consist of nature hikes and activities at Rock Bridge Memorial State Park that will include some of the following: cave ecology and tour of Conner's Cave, mammal ID and tracking, bat ecology and games, aquatic life study and simple stream monitoring, and basic map reading skills. All instruction is at a very basic level. Master Naturalists are needed to lead small groups of children in nature activities identified above.

July events will be scheduled during the day, as programs are requested by area youth agencies serving low income youngsters. Some groups attend for an all day field day (Fun City and El Centro Latino have scheduled for all day August 3). Other groups come for a 2 - 3 hour program that will include only one or two activities. A schedule of program dates will be amended to this form prior to the events.

Experience working with children would be helpful, but not required. Training and educational materials will be provided. If you are interested in volunteering, please contact Meredith Donaldson at 573-289-3018 or mjdonlson@aol.com. Project is approved.

Bluebird Trail Monitoring: March through September

Sponsored by The Columbia Audubon Society. The Columbia Audubon Society is looking for volunteers to help monitor the bluebird trails we have at Wild Haven and Russell Property. Wild Haven, which is located just north of Columbia, has around 20 bluebird houses, and Russell Property, located within Columbia, has 8 bluebird houses. The bluebird houses have to be periodically monitored during the breeding season to get an idea of how successful the houses are. Contact: Vanessa Melton at 573-864-3905 or vanndawn@hotmail.com. Project is approved.

Phenology Observation- Ongoing.

Sponsored by the USA National Phenology Network.

Phenology is the study of recurring plant and animal life cycle events, or phenophases, such as leafing and flowering of plants, maturation of agricultural crops, emergence of insects, and migration of birds. Many of these events are sensitive to climatic variation and change, and are simple to observe and record. As an USA-NPN observer, you can help scientists identify and understand environmental trends so we can better adapt to climate change.

The USA National Phenology Network brings together citizen scientists, government agencies, non-profit groups, educators and students of all ages to monitor the impacts of climate change on plants in the United States. The USA-NPN is looking for volunteers to help monitor 200 plant species found across the United States. This effort will eventually expand to include animals and physical phenomena, such as bird migrations and ice out on ponds. You may explore their website at www.usanpn.org to learn more about USA-NPN and become an observer. Training is available on the website and reporting is done via that site. Project is approved.

Raptor Rehabilitation Project - Ongoing

Sponsored by Raptor Rehabilitation Project

The most rewarding volunteer experience ever! We have new opportunities for volunteers to begin working with birds sooner. Please contact us to set up training sessions just for you, so you can begin to feed these amazing creatures. You can then become more familiar with our education birds and all of the amazing ways you can interact with them and continue educating delighted audiences throughout mid-Missouri about the importance of wildlife conservation. This is a rare and special opportunity that is not available in most areas. We are truly lucky to have the chance to do so, so why not check it out?

Contact: Amber Edwards, Volunteer Coordinator, at 314-550-0201. Let her know you're a Master Naturalist. Project is approved.

Friends of Big Muddy Activities - Ongoing dates throughout the year.

Most opportunities are on the units of the Big Muddy National Fish and Wildlife Refuge; projects are sponsored by Friends of Big Muddy. Friends of Big Muddy helps the refuge with a variety of projects including trail building, putting up boundary signs, trash pickups, educational programs, habitat restoration projects, water quality monitoring, etc. We also have booths at festivals at communities along the Missouri River to talk about the refuge and Friends of Big Muddy activities. We are looking for people to lead interpretive hikes, canoe trips, boat rides, etc. on refuge units (leading these counts as volunteer time, participation does not count). Most activities are announced on an e-mail group about 10-14 days before they happen. To subscribe to that list, send an e-mail to FriendsofBigMuddy-subscribe@yahogroups.com. Activities generally only require the volunteer to provide personal care items (water bottle, sun protection, bug protection, etc.). Exceptions will be noted in e-mail announcements. Volunteers can choose to participate only in the activities that interest them. Contact Steve Johnson at missouririver@gmail.com. Projects are approved.

Outdoor Education at Prairie Fork Conservation Area

Spring season is over, but contact Jody Coats if you are interested in volunteering for other educational programs.

Please contact Jody Coats, Outreach and Education Coordinator, Prairie Fork Conservation Area, 573 356-8898 or jlc7t4@mizzou.edu. Project can be renewed for approval by calling Meredith at 573 443-0104.

*"A perfect summer day is when the sun is shining,
the breeze is blowing, the birds are singing,
and the lawn mower is broken."
— James Dent*

2009 Officers

President	Meredith Donaldson MJDonaldsn@aol.com	Advanced Training Co-Chair	Sally Swanson sal@socket.net
Vice President	Angela Belden Angela@stumod.com	Chapter Historian	Beverly Boyd SSBNBAB@hotmail.com
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Treasurer	Alice Havard AEHavard@yahoo.com	Project Approval & Volunteer Opportunities	Melissa Bedford & Laura Sweets BedfordM@Missouri.edu SweetsL@Missouri.edu
State Advisory Committee Rep, 2008-09	Suzanne Wright SuzWright@centurytel.com	Refreshments	Janie & Robert McArthur JBMcArthur@centurytel.net RDMcArthur@centurytel.net
State Advisory Committee Rep, 2009-10	Vacant		

Chapter Co-Advisors

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NEXT MEETING

Thursday, August 13; 6:30pm
Extension Office

Weather

Mike Rawlins, KMIZ, will be talking about weather- how fronts are formed, types of clouds, tornadoes, etc.
This program has been approved as advanced training.

Refreshments: Dessert, Carolyn Doyle; Non-dessert, Alice Havard; Drinks, volunteer needed.

2010 State Conference: St Louis, Fall rather than Spring.



*To promote awareness and citizen
stewardship of natural resources
through science-based education and
community service.*